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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,594	09/29/2003	Naozumi Sugimura	520.43161X00	8550

24956 7590 03/20/2006

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EXAMINER

KIM, PAUL

ART UNIT PAPER NUMBER

2161

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/671,594

Applicant(s)

SUGIMURA ET AL.

Examiner

Paul Kim

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**SAM RIMELL**  
**PRIMARY EXAMINER**

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 29 September 2003.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This action is responsive to the following communication: Original Application filed on 29 September 2003, claiming priority to Foreign Application filed on 19 June 2003.
2. Claims 1-13 are pending. Claims 1, 4, and 7 are pending.

#### ***Priority***

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### ***Drawings***

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description:

- Para. 0041 – Reference numerals 104 and 106;
- Para. 0067 – Reference numeral 504;
- Para. 0117 – Reference numeral 106;

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will

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be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description:

- Figure 1 – Reference numerals 104a-c and 106a-d;
- Figure 5 – Reference numerals 504a-d and 505a-d;
- Figure 7 – Reference numerals 106a-c;
- Figure 12 – Reference numerals 104a-c and 106a-d; and
- Figure 16 – Reference numerals 104a-c and 106a-d.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

#### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. **Claims 1-13** are rejected under 35 U.S.C. 102(e) as being anticipated by Sasaki et al

(USPGPUB No. 2003/0172230, hereinafter referred to as SASAKI), filed on 29, July 2002.

8. **As per independent claim 1**, SASAKI teaches:

A file management method of managing file format data recorded on a recording medium {See SASAKI, Para. 0097, wherein this reads over “[t]he system control section further instructs the optical disc drive device to record the space management structure, stored in the space management structure memory, on the optical disc”}, comprising the steps of:

having at least two different pieces of file management information {See SASAKI, Paras. 0006-0007, wherein this reads over “[t]he AV directory (AVDir) has position information of file entries” and “a control file (Datafile)”};

treating second file management information {See SASAKI, Paras. 0006-0007, wherein this reads over “the control file (Datafile)”} as a file on first file management information;

previously recording a first anchor descriptor indicative of a recording position of the first file management information {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over “[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir). The AV directory has positional information of file entries . . . [of] a control file (Datafile)”}; and

recording a second anchor descriptor indicative of a recording position of the second file management information after file update {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over “[t]hese file entries of the AV files and the control file have attribute information and positional information . . . [of] the control file (Datafile) which [is] recorded in a file area”}.

9. **As per dependent claim 2**, SASAKI teaches:

The file management method according to claim 1, wherein there is provided file attribute information on the first file management information where the second file management information is recorded {See SASAKI, Paras. 0006-0007,

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wherein this reads over “[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir)”, and the attribute information is appended by an attribute signifying that the file is file management information {See SASAKI, Para. 0277, wherein this reads over “the system control section creates the AV directory (AVDir) including information of . . . the file entries in which positional information and attribute information of recorded AV files are registered”}.

10. **As per dependent claim 3, SASAKI teaches:**

The file management method according to claim 1, wherein a predetermined specific file name is attached to a file for the first file management information where the second file management information is recorded {See SASAKI, Para. 0003, wherein this reads over “[t]he AV directory has AV files (Avfile-a), (Avfile-c) and (Avfile-d) including the video and audio data itself, and a control file (Datafile)”}; and Para. 0005, wherein this reads over “[a] root directory has positional information of a file entry of an AV directory (AVDir) recorded under the root directory”}.

11. **As per independent claim 4, SASAKI teaches:**

A file management method of managing file format data recorded on a recording medium {See SASAKI, Para. 0097, wherein this reads over “[t]he system control section further instructs the optical disc drive device to record the space management structure, stored in the space management structure memory, on the optical disc”}, comprising the steps of:

having at least two different pieces of file management information {See SASAKI, Paras. 0006-0007, wherein this reads over “[t]he AV directory (AVDir) has position information of file entries” and “a control file (Datafile)”};

treating a plurality of files managed by second file management information as one file on first file management information {See SASAKI, Paras. 0006-0007, wherein this reads over “[t]he AV directory (AVDir) has positional information on file entries”} as a file on first file management information;

previously recording a first anchor descriptor indicative of a recording position of the first file management information {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over “[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir). The AV directory has positional information of file entries . . . [of] a control file (Datafile)”}; and

recording a second anchor descriptor indicative of a recording position of the second file management information after file update {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over “[t]hese file entries of the AV files and the control file have attribute information and positional information . . . [of] the control file (Datafile) which [is] recorded in a file area”}.

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**12. As per dependent claim 5, SASAKI teaches:**

The file management method according to claim 4, wherein there is provided file attribute information on the first file management information which handles the plurality of files managed by the second file management information {See SASAKI, Paras. 0006-0007, wherein this reads over "[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir)"}, and the attribute information is appended by an attribute signifying that the files are file management information {See SASAKI, Para. 0277, wherein this reads over "the system control section creates the AV directory (AVDir) including information of . . . the file entries in which positional information and attribute information of recorded AV files are registered"}.

**13. As per dependent claim 6, SASAKI teaches:**

The file management information according to claim 4 wherein a predetermined specific file name is attached to a file on the first file management information which handles the plurality of files managed by the second file management information {See SASAKI, Para. 0003, wherein this reads over "[t]he AV directory has AV files (Avfile-a), (Avfile-c) and (Avfile-d) including the video and audio data itself, and a control file (Datafile)"}; and Para. 0005, wherein this reads over "[a] root directory has positional information of a file entry of an AV directory (AVDir) recorded under the root directory"}.

**14. As per independent claim 7, SASAKI teaches:**

A file management method of managing file format data recorded on a recording medium, comprising the steps of:

having at least two different pieces of file management information {See SASAKI, Paras. 0006-0007, wherein this reads over "[t]he AV directory (AVDir) has position information of file entries" and "a control file (Datafile)"};

treating second file management information {See SASAKI, Paras. 0006-0007, wherein this reads over "the control file (Datafile)"} and a plurality of files managed by the second file management information {See SASAKI, Paras. 0006-0007, wherein this reads over "[t]he AV directory (AVDir) has positional information on file entries"} as one file on first file management information;

previously recording a first anchor descriptor indicative of a recording position of the first file management information {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over "[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir). The AV directory has positional information of file entries . . . [of] a control file (Datafile)"}; and

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recording a second anchor descriptor indicative of a recording position of the second file management information after file update {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over “[t]hese file entries of the AV files and the control file have attribute information and positional information . . . [of] the control file (Datafile) which [is] recorded in a file area”}.

**15. As per dependent claim 8, SASAKI teaches:**

The file management method according to claim 7, wherein there is provided file attribute information on the first file management information which records the second file management information and the plurality of files managed by the second file management information {See SASAKI, Paras. 0006-0007, wherein this reads over “[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir)”}, and the attribute information is appended by an attribute signifying that the files are file management information {See SASAKI, Para. 0277, wherein this reads over “the system control section creates the AV directory (AVDir) including information of . . . the file entries in which positional information and attribute information of recorded AV files are registered”}.

**16. As per dependent claim 9, SASAKI teaches:**

The file management method according to claim 7, wherein a predetermined specific file name is attached to a file on the first file management information which records the second file management information and the plurality of files managed by the second file management information {See SASAKI, Para. 0003, wherein this reads over “[t]he AV directory has AV files (Avfile-a), (Avfile-c) and (Avfile-d) including the video and audio data itself, and a control file (Datafile)”}; and Para. 0005, wherein this reads over “[a] root directory has positional information of a file entry of an AV directory (AVDir) recorded under the root directory”}.

**17. As per dependent claim 10, SASAKI teaches:**

A recording apparatus to record file format data on a recording medium {See SASAKI, Figure 2; Para. 0086, wherein this reads over “file recording means for recording file data”; Para. 0092, wherein this reads over “[t]he information recording and reproduction apparatus shown in FIG. 2 has both a function of recording information on the optical disc”}, wherein file data is recorded in accordance with a file management system compliant with the file management method according to claim 1 {See SASAKI, Para. 0075, wherein this reads over “information to be recorded on the information recording medium . . . is a file managed using a file structure based on the UDF (Universal Disk Format)”}.

**18. As per dependent claim 11, SASAKI teaches:**

A reproducing apparatus to reproduce file format data from a recording medium {See SASAKI, Figure 2; Para. 0086, wherein this reads over “file recording means for recording file data”; Para. 0092, wherein this reads over “[t]he information recording and



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reproduction apparatus shown in FIG. 2 has both a function of recording information on the optical disc"}, wherein file data is reproduced from a recording medium compliant with the file management method according to claim 1 {See SASAKI, Para. 0075, wherein this reads over "information to be recorded on the information recording medium . . . is a file managed using a file structure based on the UDF (Universal Disk Format)"}

19. **As per dependent claim 12, SASAKI teaches:**

A reproducing apparatus to reproduce file format data from a recording medium {See SASAKI, Figure 2; Para. 0086, wherein this reads over "file recording means for recording file data"; Para. 0092, wherein this reads over "[t]he information recording and reproduction apparatus shown in FIG. 2 has both a function of recording information on the optical disc"}.

wherein, when file format data is reproduced from a recording medium compliant with the file management method according to claim 1 {See SASAKI, Para. 0075, wherein this reads over "information to be recorded on the information recording medium . . . is a file managed using a file structure based on the UDF (Universal Disk Format)"}, the apparatus uses second file management information to access files upon successful detection of a second anchor descriptor {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over "[t]hese file entries of the AV files and the control file have attribute information and positional information . . . [of] the control file (Datafile) which [is] recorded in a file area"}; and

wherein the apparatus uses first file management information to access files upon unsuccessful detection of the second anchor descriptor {See SASAKI, Figure 21; Paras. 0006-0007, wherein this reads over "[t]he file entry (AVDir) has attribute information and recording position information of an AV directory (AVDir). The AV directory has positional information of file entries . . . [of] a control file (Datafile)"; Para. 0273, wherein this reads over "[w]hen a defect area is detected while recording the control file, the system control section 201 skips the defect area and continues the recording in the next unallocated area, like in the case of the recording of the AV file"}.

20. **As per dependent claim 13, SASAKI teaches:**

A recording medium, wherein the recording medium records file management information compliant with the file management method according to claim 1 {See SASAKI, Para. 0075, wherein this reads over "information to be recorded on the information recording medium . . . is a file managed using a file structure based on the UDF (Universal Disk Format)"}

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*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Kim whose telephone number is (571) 272 2737. The examiner can normally be reached on M-F, 9am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571)272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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